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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/887,199	06/21/2001	Ivo Raaijmakers	ASMMC.005AUS	7254
75	90 04/09/2003			
Knobbe Martens Olson & Bear LLP Sixteenth Floor 620 Newport Center Drive			EXAMINER	
			MAI, ANH D	
Newport Beach, CA 92660			ART UNIT	PAPER NUMBER
			2814	
			DATE MAILED: 04/09/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	pplicant(s)	_	
	09/887,199	RAAIJMAKERS ET AL.		
Office Action Summary	Examiner	Art Unit	_	
	Anh D. Mai	2814		
Th MAILING DATE of this communication appeariod for Reply	pears on the cover sheet	with the correspondence address		
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a rep If NO period for reply is specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statute - Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b). Status	136(a). In no event, however, may ly within the statutory minimum of t will apply and will expire SIX (6) M e, cause the application to become	a reply be timely filed hirty (30) days will be considered timely. ONTHS from the mailing date of this communication. ABANDONED (35 U.S.C.§ 133).		
1) Responsive to communication(s) filed on 04	February 2003 .			
2a)⊠ This action is FINAL . 2b)□ Th	nis action is non-final.			
3) Since this application is in condition for allow closed in accordance with the practice under Disposition of Claims				
4) Claim(s) 1-19 is/are pending in the application	n.			
4a) Of the above claim(s) 2-5 is/are withdrawn	from consideration.	•		
5) Claim(s) is/are allowed.				
6)⊠ Claim(s) <u>1 and 6-19</u> is/are rejected.				
7) Claim(s) is/are objected to.				
8) Claim(s) are subject to restriction and/o	or election requirement.			
Application Papers				
9) The specification is objected to by the Examine	er.	·		
10) ☐ The drawing(s) filed on is/are: a) ☐ acce				
Applicant may not request that any objection to th		• • • • • • • • • • • • • • • • • • • •		
11) The proposed drawing correction filed on	_ ,_ ,,	disapproved by the Examiner.		
If approved, corrected drawings are required in re	• •			
12) The oath or declaration is objected to by the Ex	Karriirier.			
Priority under 35 U.S.C. §§ 119 and 120		S 440(a) (d) an (0		
13) Acknowledgment is made of a claim for foreign	n priority under 35 U.S.C	. § 119(a)-(d) or (f).		
a) All b) Some * c) None of:	s have been received			
 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 				
2. Certified copies of the priority document3. Copies of the certified copies of the priority		·· ——		
application from the International Bu * See the attached detailed Office action for a list	reau (PCT Rule 17.2(a))			
14) Acknowledgment is made of a claim for domesti	ic priority under 35 U.S.C	C. § 119(e) (to a provisional application).		
 a) ☐ The translation of the foreign language pro 15)☐ Acknowledgment is made of a claim for domest 	* *			
Attachment(s)				
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of	v Summary (PTO-413) Paper No(s) f Informal Patent Application (PTO-152)		

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DETAILED ACTION

Amendment

1. Amendment filed February 4, 2003 has been entered as Paper No. 8. Claims 20-58 have been canceled. Claims 1-19 are pending. Claims 2-5 have been withdrawn.

From Previous Office Action

- 2. Claims 1 and 6 are rejected under 35 U.S.C. 102(e) for being clearly anticipated by Sherman (U.S. Pub No. 2002/0031618), as previously applied.
- 3. Claims 7-19 are rejected under 35 U.S.C. 103(a) for being unpatentable over Sherman as applied to claim 6 above, and further in view of Gates et al. (U.S. Patent No. 6,203,613), as previously applied.

Response to Arguments

Claim Rejections - 35 USC § 102

Applicants argue that Sherman '618 does not have any specific teachings regarding trench isolation structures. Further, while Sherman does disclose depositing a monolayer into a high aspect ratio hole, as in Example 10, there is no teaching or suggest that the trenches can be filled by the disclosed methods".

First of all a "high aspect ratio hole" means a trench having high aspect ratio.

Secondly, Sherman's paragraph [0039] clearly teaches: "substrate being coat that have features with high aspect ratio holes or trenches".

Clearly Sherman does teach filling trenches using disclosed methods. The rejection is therefore, maintained.

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Claim Rejections - 35 USC § 102

Since Sherman does teach filling the trenches using the disclosed methods, thus, the combination of the references clearly renders claims 7-19 obvious. The rejection is therefore, maintained.

Conclusion

4. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anh D. Mai whose telephone number is (703) 305-0575. The examiner can normally be reached on 8:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael Fahmy can be reached on (703) 308-4918. The fax phone numbers for the

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organization where this application or proceeding is assigned are (703) 308-7722 for regular communications and (703) 308-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

A.M April 4, 2003

SUPERVICORY PRIMARY EXAMINER TECHNOLOGY CENTER 2800